

Title (en)
NUTRITIONAL SUPPLEMENTS FOR AMELIORATION OF RESPIRATORY TRACT INFECTIONS

Title (de)
NAHRUNGSERGÄNZUNG ZUR LINDERUNG VON ATEMWEGSINFEKTIONEN

Title (fr)
SUPPLÉMENTS NUTRITIONNELS POUR L'AMÉLIORATION D'INFECTIONS DES VOIES RESPIRATOIRES

Publication
EP 4326226 A1 20240228 (EN)

Application
EP 22721104 A 20220414

Priority
• GB 202105576 A 20210419
• GB 2022050956 W 20220414

Abstract (en)
[origin: GB2605972A] A nutritional supplement for use to ameliorate the effect of a pneumonia in a human, wherein the supplement comprises a mixture of bioflavonoids which contains at least 45% wt/wt (of the total bioflavonoids) of naringin and at least 15% wt/wt of neohesperidin, wherein the supplement is in a form suitable for oral administration or administration to the lung by insufflation or inhalation. The pneumonia is preferably caused by a coronavirus, particularly SARS-CoV-2. The mixture of bioflavonoids preferably comprises bioflavonoids obtained from oranges, for example, the pith of bitter oranges, such as immature bitter oranges. The nutritional supplement may further comprise vitamin D, such as vitamin D3 or 25-hydroxyvitamin D3, cyclodextrin, or glycosaminoglycan, preferably hyaluronic acid. A nutritional supplement for use to ameliorate a hyperimmune condition, wherein the supplement comprises a mixture of bioflavonoids which contain at least 45% by weight (of the total bioflavonoids) of naringin and at least 15% wt/wt of neohesperidine is also provided. Preferably the hyperinflammatory condition occurs in the lungs and is as a result of a coronavirus infection, particularly SARS-CoV-2. The hyperinflammatory condition may occur in a human suffering from sepsis or toxic shock syndrome. A nutritional supplement as herein defined for administration by inhalation is also provided.

IPC 8 full level
A61K 9/00 (2006.01); **A61K 31/7048** (2006.01); **A61K 36/752** (2006.01); **A61P 31/12** (2006.01)

CPC (source: EP GB US)
A23L 33/105 (2016.08 - EP); **A23L 33/155** (2016.08 - EP); **A61K 9/0007** (2013.01 - EP GB); **A61K 9/0043** (2013.01 - EP GB US); **A61K 9/0053** (2013.01 - US); **A61K 9/0073** (2013.01 - GB); **A61K 9/2009** (2013.01 - US); **A61K 9/2013** (2013.01 - US); **A61K 9/4825** (2013.01 - GB); **A61K 31/593** (2013.01 - US); **A61K 31/7048** (2013.01 - EP GB US); **A61K 31/724** (2013.01 - US); **A61K 31/728** (2013.01 - US); **A61K 36/752** (2013.01 - EP GB US); **A61K 47/36** (2013.01 - EP); **A61P 31/12** (2018.01 - EP); **A61P 31/14** (2018.01 - GB US); **A61P 31/16** (2018.01 - GB); **A61P 37/06** (2018.01 - US)

C-Set (source: EP)
A61K 31/7048 + **A61K 2300/00**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
GB 202105576 D0 20210602; **GB 2605972 A 20221026**; CA 3216015 A1 20221027; EP 4326226 A1 20240228; US 2024207298 A1 20240627; WO 2022223953 A1 20221027

DOCDB simple family (application)
GB 202105576 A 20210419; CA 3216015 A 20220414; EP 22721104 A 20220414; GB 2022050956 W 20220414; US 202218287376 A 20220419